

Patent claims

1. A device for electrically contacting an electrically conductive part of a high-frequency system, for example a coaxial cable or corrugated-tube coaxial cable or coaxial plug-in connector, with at least one metal supporting element (3, 4, 28), characterized in that at least one supporting element (3, 4, 28) that is exposed to the environmental influences is produced from bronze, in particular cast bronze.
2. The device as claimed in claim 1, characterized in that it is an electrical connector or connector part (1).
3. The device as claimed in claim 2, characterized in that the connector part (1) is part of a coaxial connector.
4. The device as claimed in claim 1, characterized in that it is part of a high-frequency lightning protection component.
5. The device as claimed in one of claims 1 to 4, characterized in that it is an electrical component for an outdoor antenna.
6. The device as claimed in claim 1, characterized in that it is part of a cable gland, of a power divider, of a high-frequency filter or of a high-frequency coupler.
7. The device as claimed in one of claims 1 to 5, characterized in that the proportion of zinc is less than 7% by weight, preferably approximately 6% by weight.

- 6 -

8. The device as claimed in one of claims 1 to 7, characterized in that the bronze is a multialloy bronze with lead.
- 5 9. The device as claimed in one of claims 1 to 8, characterized in that the bronze has the composition  $\text{CuZn}_6\text{Sn}_4\text{Pb}_3$ .